

**What is claimed is:**

1. A yarn comprising natural bamboo fiber, wherein said yarn is prepared by spinning natural bamboo fibers alone or in combination with other fibers in a blended  
 5 ratio of natural bamboo fibers comprising 30 to 100 % by weight and other fibers comprising 70 to 0 % by weight.

2. The yarn according to claim 1, wherein said natural bamboo fiber comprises a natural bamboo fiber in a state of filament, or a natural bamboo fibers in a state of processed fibers formed by remaining a certain amount of lignin and pectin on  
 10 purpose.

3. The yarn according to claim 1, wherein said natural bamboo fiber mainly has the following technology index:

|                      | the natural bamboo fiber in a state of filament | the natural bamboo fibers in a state of processed fibers |
|----------------------|---|--|
| fiber count          | 1200Nm~2000Nm                                   | more than 500Nm  |
| fiber strength       | 3~5.5CN/D                                       | 3~5.5CN/D  |
| average fiber length | 30~100mm  | 30~100mm   |
| nep                  | less than 5 /g                                  |  |
| thick ratio          | less than 0.5%                                  |  |

4. A process for manufacturing the yarn according to claim 1, which comprises  
 15 preliminary producing step of the natural bamboo fiber and spinning step of the natural bamboo fiber, wherein further comprise a step of improving the spinnability of the natural bamboo fiber, and said improving step comprises:

a. obtaining natural bamboo fiber;

b. selecting natural bamboo fiber; in which  
the requirements for selecting natural bamboo fiber are that the fiber should be straight and order;

wherein the weight of fiber bundle changes in various species;

5 c. providing oil to the natural bamboo fiber; in which

the oil is a mixture of soap with emulsification oil, wherein the amount of emulsification oil is 1 to 1.8% by weight and the amount of soap is 0.5 to 0.9% by weight, both based on the weight of natural bamboo fiber; the oil is provided by immersing the fiber into oil after humidifying treatment at a temperature of 80~90°C  
10 for 3~4 hours in a bath ratio of 1:6~8; wherein the emulsification oil comprises 47~53% by weight of plant oil, 0.04~0.06% by weight of sodium hydroxide and 47~53% by weight of water; and said plant oil has a acid number of less than 8, a saponification number of 185~195 and an iodine value of 76~83;

d. drying the natural bamboo fiber in dryer after dehydrating it, the moisture  
15 regained after drying is 5~9%;

e. humidify by spraying and provide oil for the natural bamboo fiber after the drying step, wherein the oil comprises 9~10.6% by weight of kerosene, 0.3~0.5% by weight of sodium carbonate, 6~7.6% by weight of plant oil and 83~84% by weight of water;

20 f. stacking the natural bamboo fiber for 5~7 days after humidifying, the moisture of the fiber regained is 10~15%.

5. The process according to claim 4, wherein said spinning step of the natural bamboo fiber is carried out by using the technology of ramie spinning system in which the length of fiber is from 70mm to 100mm; and the step of producing yarns  
25 comprises preparing natural bamboo fiber bundles by selecting, arranging, spreading, slivering, pre-drawing and combing the natural bamboo fiber by means of ramie spinning device after said fiber being treated to improve spinnability, and then preparing yarns by drawing, roving and spinning.

6. The process according to claim 4, wherein said spinning step of the natural

bamboo fiber is carried out by using the technology of cotton spinning system in which the length of fiber is from 30mm to 50mm; and the step of producing yarns comprises filaments produced during the combing step or filaments produced as required by spinning are subjected to clear, scotch, roll, comb, draw, rove and spin (or  
5 rotor spinning) by means of cotton spinning device.

7. The process according to claim 4, wherein said spinning step of the natural bamboo fiber is carried out by using the technology of silk spinning system in which the length of fiber is from 65mm to 100mm; and the step of producing yarns comprises preparing natural bamboo fiber bundles by spreading, slivering,  
10 pre-drawing and combing the natural bamboo fiber by means of silk spinning device after said fiber being treated to improve spinnability, and then preparing yarns by blending with spun silk, roving and spinning.

8. The process according to claim 4, wherein said spinning step of the natural bamboo fiber is carried out by using the technology of wool spinning system in which  
15 the length of fiber is from 65mm to 100mm; and the step of producing yarns comprises preparing natural bamboo fiber bundles by slivering, pre-drawing and combing the natural bamboo fiber by means of wool spinning device such as comber after said fiber being treated to improve spinnability, and then preparing yarns by blending with wool sliver, roving, spinning, grooved drumming, combining and  
20 twining.

9. The process according to claim 4, wherein said spinning step of the natural bamboo fiber is carried out by using the technology of linen spinning system in which the length of fiber is from 50 mm to 100mm; and the step of producing yarns comprises the natural bamboo fiber in a state of filament or the natural bamboo fibers  
25 in a state of processed fibers are subjected to sliver, draw, rove and spin by means of linen spinning device such as combined breaker and finisher card after said fiber being treated to improve spinnability.

10. The process according to claim 4, wherein the moisture of the fiber regained in stacking step f is between 10% and 15%.

11. The process according to claim 4, wherein the draw ratio is controlled between 5 and 10 in the step of slivering, drawing and roving.

12. The process according to claim 4, wherein the draw ratio is controlled between 10 and 30 in spinning step.